

**Forney**

CATALOG

**WELDING  
SUPPLIES  
AND  
PARTS**

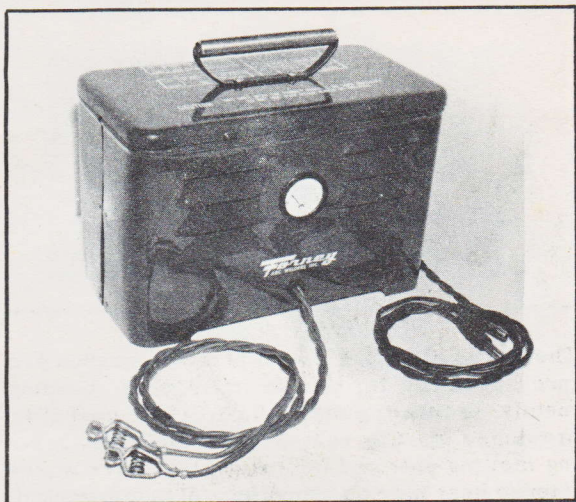
**FORNEY ARC WELDERS, Inc.  
FORT COLLINS, COLORADO  
DES MOINES, IOWA**

Effective April 26, 1954



Full details - - See Page 44 43





# **Forney**

## **BATTERY CHARGER**

The Forney Battery Charger is not a mere accessory item.

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The Forney Battery Charger when plugged into your Forney Model "C" Welder is comparable to a regular \$200.00 transformer unit. The transformers in your Forney Welder are even larger, thus by adding the Forney Battery Charger you have a complete, high performance, all purpose charger for either 6 or 12 volt automobile batteries. With the Forney Battery Charger you get various charging rates from slow to fast in your battery, and in addition, that extra spark in turning that motor in cold weather.

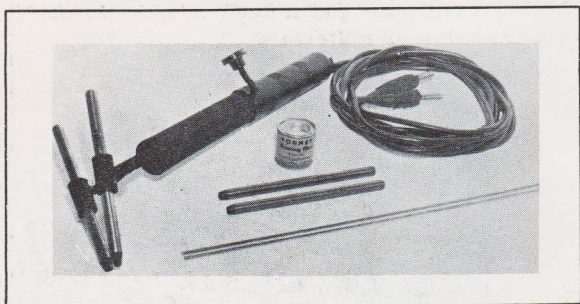
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Rejuvenate the battery right in your car. Even with the battery completely run down you can get that motor started in 2 minutes. Just clip to the battery terminals--no tools--no acid spilling--no broken or loose terminals--no waste of time.

No. 4-300

Price \$28.50

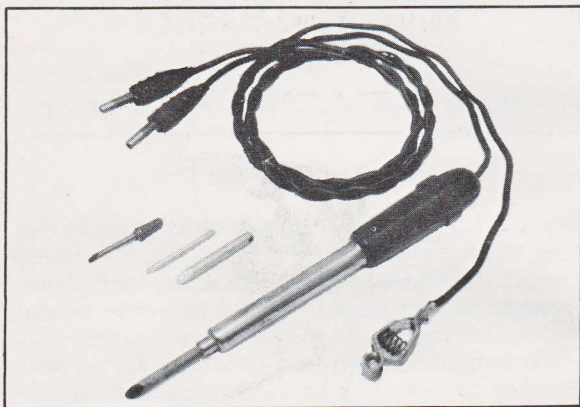
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### BRAZING TORCH

The Forney Brazing Torch is a twin carbon arc torch designed for use in hardfacing, bending metals, preheating cast and malleable cast iron, brazing, removing rusted nuts from bolts, heating melting pots and for many other uses where intense heat may be required. A thumb control permits positive action in drawing the arc to the desired intensity. Included are 2 sets of carbons, brazing rod and brazing flux. Brazing Torch guaranteed as to materials and workmanship.

No. 4-050 ----- \* ----- \* ----- Price \$20.00



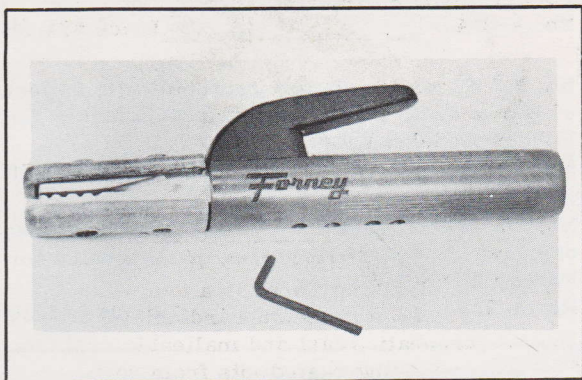
### SOLDERING IRON

The Forney Patented Soldering Iron is a highly specialized soldering unit. Operated directly off the variable heat stages on the Forney Welder, it is readily adapted to many soldering jobs. With the Forney Soldering Iron it is not necessary to remove light deposits of oil or grease from the working surface. Solder does not stick to tips while operating. The Forney Soldering Iron may also be used as an etching tool for applying initials, names or other forms of identification to shop tools, equipment, etc. The durable plastic handle holds four different size tips and adapter. Soldering Iron guaranteed as to materials and workmanship.

No. 4-004 ----- \* ----- \* ----- Price \$7.50



Accessories are guaranteed against defective workmanship or materials.

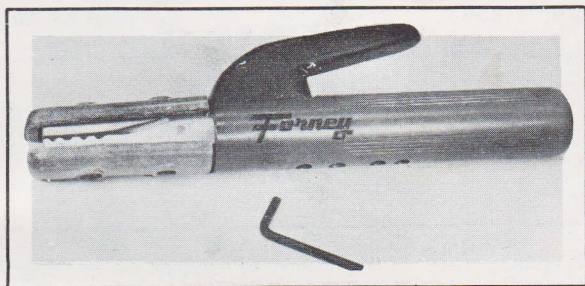


#### FORNEY ELECTRODE HOLDER 500 AMP

For extra heavy service. Sturdily constructed and well balanced. Tight fitting jaws, grooved for any welding angle, hold the electrodes firmly in place. Handle and jaw coverings, made of tough, plastic fibre, jaw operating lever of black bakelite. Comes equipped with Allen wrench for cable change-over. This is a heavy duty holder for use with the Forney Models A (300 Amp.), B (250 Amp.) and the Industrial I-350 Welders. No. 275

Price \$7.50

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#### FORNEY ELECTRODE HOLDER 300 AMP

Although smaller than the 275, this is a heavy duty holder and incorporates the same outstanding structural features. For use with the Forney Model C (180 Amp. Welder).

No. 272

Price \$6.00

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#### HOLDER & CABLE SETS

No. 272 Electrode Holder complete with 20 feet of heavy duty, rubber covered, No. 3 cable. For use with Forney Model C Welder.

No. 4-208

Price \$14.75

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No. 275 Electrode Holder complete with 25 feet of heavy duty, rubber covered No. 1 cable for Forney Model A Welder.

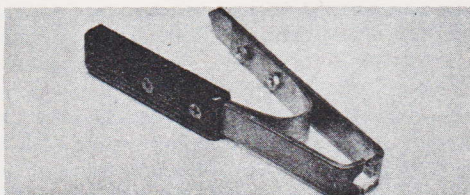
No. 4-214 ----- \* ----- \* ----- Price \$31.50

No. 272 Electrode Holder complete with 25 feet of heavy duty, rubber covered No. 2 cable for Forney Model B Welder.

No. 4-216 ----- \* ----- \* ----- Price \$24.50

No. 275 Electrode Holder complete with 25 feet of heavy duty rubber covered No. 1-O cable for Forney Model I Welder.

No. 4-218 ----- \* ----- \* ----- Price \$34.50



#### FORNEY GROUND CLAMP 250 AMP

Made of high quality tempered copper with durable plastic handle. Large jaw opening grips firmly to grounding surface. For use with the Forney Model C Welder (180 Amp.).

No. 4-350 ----- \* ----- \* ----- Price \$3.00



#### FORNEY GROUND CLAMP 300 AMP

A heavy duty clamp made of copper alloy which has high conductivity and good arc resistant quality. Wide jaw opening powered with 2 insulated springs. Springs have an adjusting screw to adjust spring tension and for spring replacement.

No. 270 ----- \* ----- \* ----- Price \$3.50

Ground Clamp (200 Amp. without cable). Essentially the same construction as the 270 Clamp except that it is smaller and doesn't have spring adjustment screw. Used with the Forney Model C (180 Amp.) Welder.

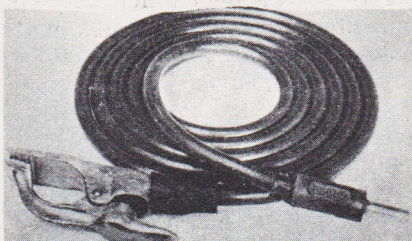
No. 274 ----- \* ----- \* ----- Price \$3.00

Ground Clamp (500 Amp.) without cable. Same construction as No. 270 clamp except that it is much heavier and has a heavy solder lug cable attachment.

No. 276 ----- \* ----- \* ----- \$4.50



## CLAMP & CABLE SETS



Ground Clamp No. 274 complete with 15 feet of heavy duty, rubber covered No.3 cable.

No. 4-204

Price \$8.50

----- \* ----- \*

Forney Ground Clamp No. 4-350 complete with 15 feet of heavy duty, rubber covered No.3 cable. For use with the Forney Model C Welder.

No. 4-204-S

Price \$8.50

----- \* ----- \*

Ground Clamp No. 270 complete with 20 feet of heavy duty, rubber covered, No. 2 cable. For use with Model B Forney Welder.

No. 4-217

Price \$18.75

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Ground Clamp No. 276 complete with 20 feet of heavy duty, rubber covered, No.1 cable. For Forney Model A Welder.

No. 4-215

Price \$24.25

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Ground Clamp No.276 complete with 20 feet of heavy duty rubber covered No.1-0 cable for Forney Model I Welder.

No. 4-219

Price \$26.50

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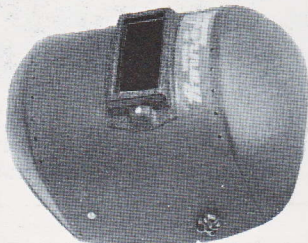
## WELDING HELMET - C

Constructed of tough fibre board riveted on all seams. Headband and chin rest fully adjustable. Spring tension holds helmet in up position yet allows easy drop into place for welding. Soft,

pliable plastic headband. Equipped with government approved lens and equipped with long life clear plastic cover lens which outlasts \$12.00 worth of ordinary glass as is found in almost all other makes of helmets. Has plastic knobs instead of protruding bolts.

No. 201

Price \$5.50

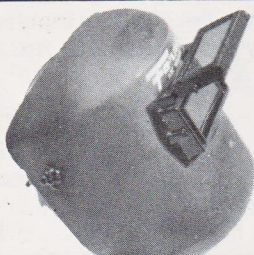


#### WELDING HELMET DELUXE

Formed top, curved front, two piece fabricated helmet. Has adjustable overhead strap with leather sweat band. Chin rest padded. Equipped with government approved lens and plastic cover lens.

No. 202

Price \$8.50

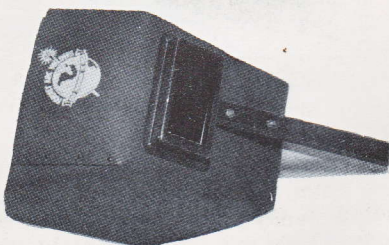


#### WELDING HELMET LIFT FRONT

One piece fibre helmet, no rivets. Chin and forehead well protected by generously formed top and bottom. Has lift type lens retainer. Ratchet strap over head, headgear made of Volcoid fibre with leather sweat band. A very sturdy and popular helmet. Equipped with government approved lens and plastic cover lens.

No. 203

Price \$11.75



#### WELDING HELMET - HAND



Same rugged construction as 201 except that a firmly fastened handle replaces the head band and adjustments. Ideal for use where frequent inspection of welding progress is desired. Equipped with government approved lens and cover lens.  
 No. 205 Price \$5.00

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### HAND SHIELD

This hand shield is made of tough vulcanized fibre board. The lens frame is riveted firmly and is constructed so as to permit replacement of broken or pitted lenses. Equipped with government approved colored lens and cover lens.

No. 207 Price \$2.50

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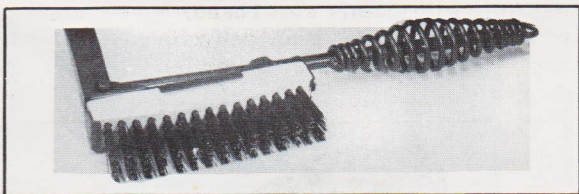


### CHIPPING HAMMER - LAMINATED

The laminated head of this all-steel hammer is made of many moveable plates. As the head is struck against the bead, these plates shift slightly to conform to the shape of the bead, chipping the slag quickly from the hard to get at places.

No. 4-400 Price \$1.95

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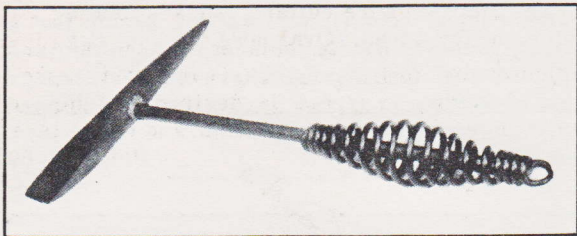


### CHIPPING HAMMER - WITH BRUSH

The wire brush mounted on this model is very handy. No lost time looking for that mislaid brush or of handling two pieces of equipment to dress the bead. Chip the slag and then brush clean. Also handy to clean dirty metal.

No. 221 Price \$2.45

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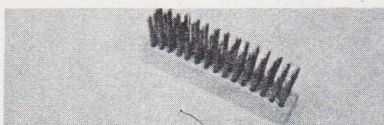
### STRAIGHT HEAD CHIPPING HAMMER

Flat chisel on one end - point on other. A durable, all purpose chipping hammer.

No. 223

----- \* ----- \* -----

Price \$2.00



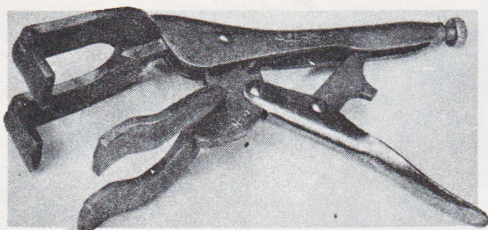
### BRUSH, STEEL

Replacement for the 221 Chipping Hammer

No. 225

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Price \$.75



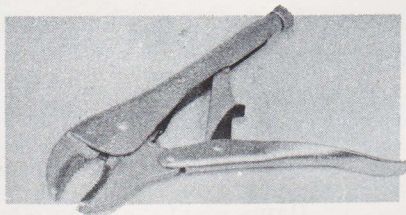
### WELDING CLAMP - VISE GRIP

Holds work together or rigidly in position for welding. The fine adjustment allows this tool to be used for a great variety of metal thicknesses.

No. 235

----- \* ----- \* -----

Price \$2.95

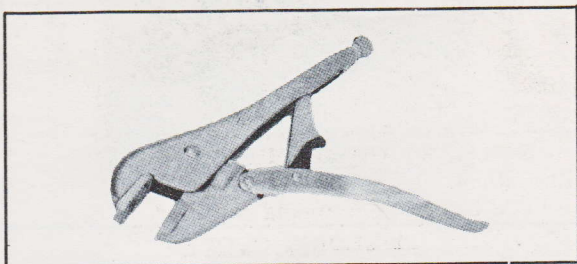


### WISE GRIP HAND WRENCH WITH WIRE CUTTERS - 10"

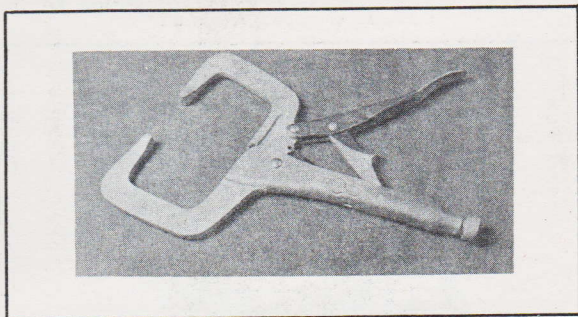
A very versatile hand wrench capable of exerting great pressure. Ideal for use around your shop where a tight grip is necessary, such as loosening studs, bolts, nuts, etc. or in handling hot



iron. Built-in wire cutters, shears fencing and other heavy wires. Oval jaws for use with pipe.  
 No. 233 ----- \* ----- \* ----- Price \$2.60



**WISE GRIP HAND WRENCH WITHOUT WIRE CUTTERS - 10" STRAIGHT JAW**  
 No. 231 ----- \* ----- \* ----- Price \$2.15



#### WIDE JAW VISE GRIP

Extremely wide jaw. Opens over 3 1/2" wide. Ideal for clamping to the work bench, drill press table, or working around wide flanges, beams, etc.

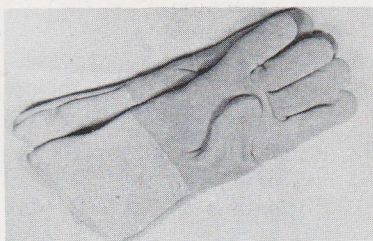
No. 234 ----- \* ----- \* ----- Price \$2.95



#### FLAME PROOF GLOVES

Heat resistant, flame proof fabric with hundreds of knitted loops per square inch that insulate against heat. This is a soft, comfortable inexpensive glove ideally suited for welding. One size fits all hands.

No. 240 ----- \* ----- \* ----- Price per pair \$1.75



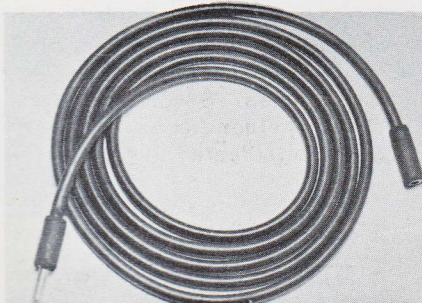
### WELDING GLOVES

A well built chrome leather welding glove especially tough, yet pliable enough to facilitate easy handling of equipment. Gives full protection to hands and wrists against sparks and hot metal.

No. 241

Price \$4.00

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### WELDING EXTENSION CABLE

This cable has extreme flexibility, high quality, moisture proof qualities and resistance to abrasion. There is a selection of 5 sizes. Complete with male and female jackplug connections with molded rubber insulation.

----- \* ----- \* -----

No. 4 Welding Cable is a lighter weight welding cable found on most farm welders--not used on Forney Welders.

No. 311 (no connections) Price per ft. \$.30

----- \* ----- \* -----

No. 3 Approximately 5/8 inches in diameter, used with Model C Welder.

No. 310 (no connections) Price per foot \$.40

No. 321 10 foot extension #3 Price \$ 5.00

No. 322 15 foot extension #3 Price \$ 7.50

No. 323 20 foot extension #3 Price \$ 9.50

No. 324 25 foot extension #3 Price \$11.50

No. 325 35 foot extension #3 Price \$16.50

No. 326 50 foot extension #3 Price \$22.50

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No. 2 Approximately 1 1/16 inches in diameter, used with Model B Welder.



No. 309 (no connections)	Price per foot \$.50
No. 327 15 foot extension #2	Price \$10.50
No. 328 25 foot extension #2	Price \$16.00

No. 1 Approximately 3/4 inches in diameter; used with Model A Welder.

No. 308 (no connections)	Price per foot \$.65
No. 329 15 foot extension #1	Price \$12.00
No. 330 25 foot extension #1	Price \$19.00

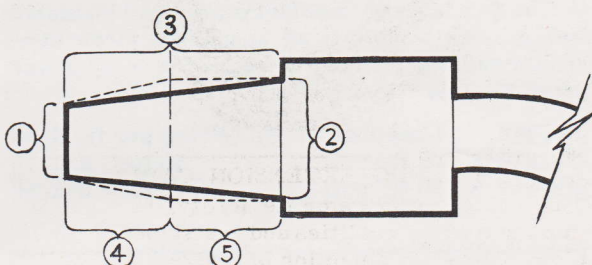
No. 1-0 Approximately 13/16 inches in diameter, used with Industrial Model I-350.

No. 307 (no connections)	Price per foot \$.70
No. 331 15 foot extension #1-0	Price \$14.00
No. 332 25 foot extension #1-0	Price \$23.50

Above extension cables made in special lengths, to order, write for prices.

----- \* ----- \* -----

Note: If your Welder is other than a Forney, indicate make when ordering welding extensions or cabled accessories. Special plugs will be attached to fit your welder for \$1.50 per set. Give us dimensions as indicated in diagram below:



1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

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### OUTSIDE WEATHERPROOF WIRE

A high quality insulated No.6 copper wire for power lines between buildings or from service pole to buildings.

No. 303 Less than 100 ft.	Price per ft. \$.09
No. 303-A 100 ft. coil	Price per ft. \$.08
No. 303-B 500 ft. coil	Price per ft. \$.07

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### WELDER LEAD-IN CABLE

This is three-conductor, heavy duty power cable for transmitting power from the power source to your Welder. Available in two sizes.

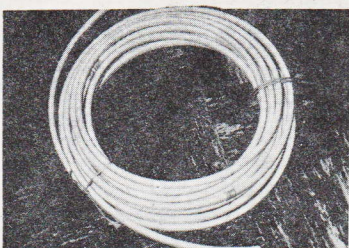
No. 8-3 approximately 15/16 inches in diameter used with Model A and B Welders.

No. 3401 Price per ft. \$1.50

No. 10-3 approximately 3/4 inches in diameter, used with Model C Welder.

No. 314 Price per ft. \$.55

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### SERVICE ENTRANCE CABLE

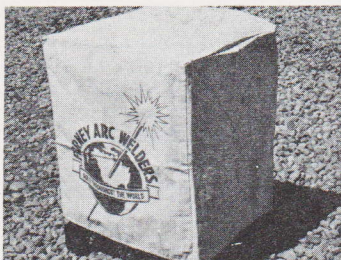
A fine 6-3, copper, weatherproof, well insulated cable. This cable is an approved, three conductor cable especially designed to convey power from the line into the shop.

No. 312 Less than 25 ft. Price per ft. \$.50

No. 312-A 25 ft. coil Price \$11.25

No. 312-B 50 ft. coil Price \$21.50

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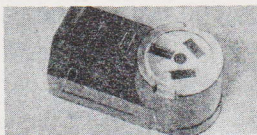


### WELDER COVER

Keep your Welder looking like new. Strongly sewn seams of this heavy canvas cover insures long protection of your Forney Welder from dirt, scratches, etc. The handsome Forney emblem is printed in bright durable red on the face of the cover.

No. 4904 Price \$3.50

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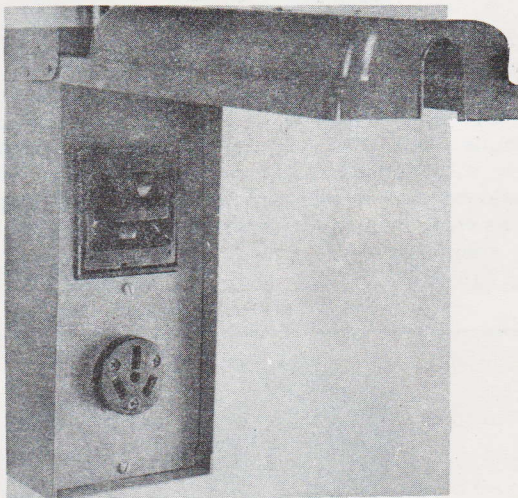
### RECEPTACLE

A 230 volt, 50 amp. receptacle for use as a 230 volt outlet. Receives the plug on the Forney Welder.

No. 211

Price \$3.50

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### FUSE BOX RECEPTACLE

Weatherproof and well constructed of heavy steel. The 230 volt grounded receptacle is complete with fuse box and fuses. This makes a handy "Away from the shop" outlet for your Welder, and can be attached to any building or pole around the farm yard--just the place where you want to weld. Available with 35, 45, or 60 amp.fuses. Thirty-five amp.fuses will be supplied unless otherwise specified.

No. 212

Price \$16.50

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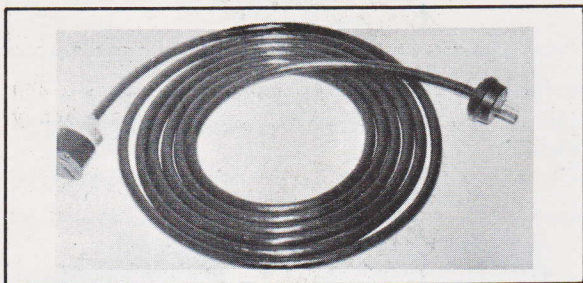
### PORTABLE RECEPTACLE

A heavy duty portable type receptacle to be used on an extension cable lead-in. It is well constructed for durability and is easy to install.



Suggest that it be used with male plug No. 217 and standard lead-in cable. (Also see Cat. No. 215-A below)

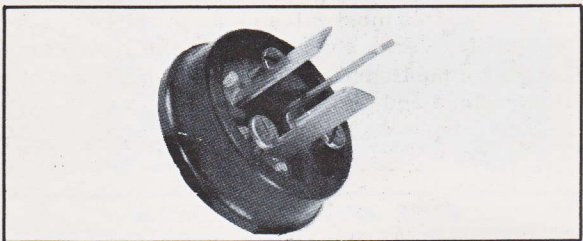
No. 215 ----- \* ----- \* ----- Price \$6.00



### 25 FOOT LEAD-IN EXTENSION CABLE

A Twenty-five foot lead-in extension cable with No. 217 plug and No. 215 portable receptacle. Complete with 230 volt plug and portable receptacle, all attached ready to use. Get your welder closer to your work; prevents amperage drops; saves steps in changing heat stages. Every welder should have one.

No. 215-A ----- \* ----- \* ----- Price \$21.00



### 230 VOLT PLUG

Replacement plug on your Welder power cable. Can also be used with the extension as mentioned above. Durable, heavy plastic for long wear.

No. 217 ----- \* ----- \* ----- Price \$1.50



### TROUBLE LIGHT

Complete with bulb protector and 25 ft. of heavy insulated cord. Two 110 outlet plugs in base.

No. 242 ----- \* ----- \* ----- Price \$2.95



### FORNEY ARC WELDING MANUAL

A very comprehensive 178 page book on the fundamentals and application of Farm Welding. The step by step approach to each welding problem is explained in detail, with accompanying illustrations to show how to do it. Although compiled for use with Forney Welder, the bulk of the copy pertains to welding problems and practices. Therefore, it is most valuable as a welding manual for any farm shop. This is the most complete book published on Farm Welding. Over 100 illustrations and pictures.

No. 4915

Price \$2.50

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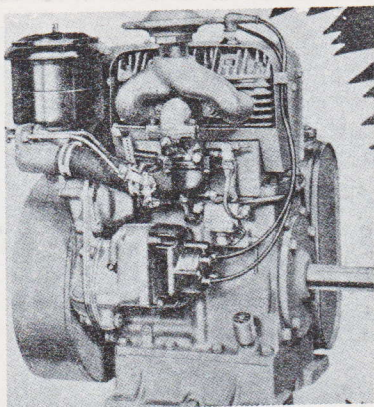
### MINIVOLT METER

Indicating range from 65 volts to 660 volts. Checks AC or DC wiring setups - outlets - continuity, etc. Complete operating instructions included.

No. 243

Price \$4.50

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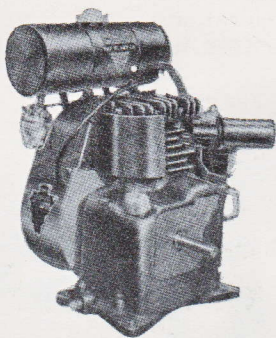
### GASOLINE ENGINE - WISCONSIN MODEL TF

Specifications: 13  $\frac{1}{3}$  Horsepower, Bore 3  $\frac{1}{4}$ ", Stroke 3  $\frac{1}{4}$ ", Piston Displacement 54 cu. in. A fine direct mounted engine ideally suited for irrigation pumps, farm machines and similar equipment where portable or stationary power is desired. Weight 270 lbs.

No. 280

Price \$240.00

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### GASOLINE ENGINE - CLINTON

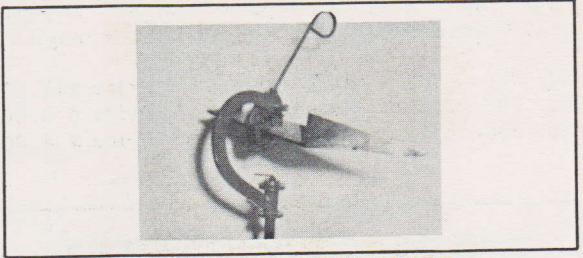
Specifications: 1  $\frac{1}{2}$  to 2 Horsepower, Bore 2", Stroke 1  $\frac{7}{8}$ ", Piston Displacement 5.89 cu. in. For direct mounting on special equipment, such as pumps, generators, compressors, etc. Ideal for use with your home-made equipment where this type of power is required. Weight 55 lbs.

No. 281

Price \$72.50

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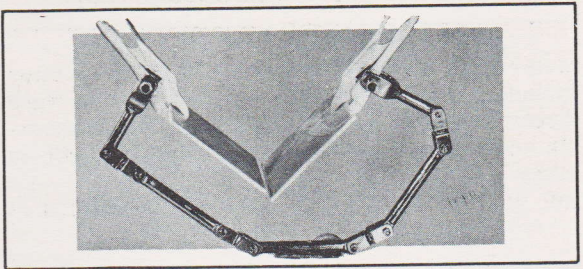
### PLOWSHARE POSITIONER

Clamps to work table or bench. Holds share firmly in position for repair or hardsurfacing operation. Also holds cultivator tips, shovels, listers, discs, and all forms of implements to be hardsurfaced.

No. 236

Price \$9.50

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### POSITIONER WITH TWO No. 7 VISE GRIPS

The Positioner clamps firmly to table on work bench so hands are free for brazing, hardfacing, or welding operations. Very handy for hardfacing plow shares, cultivator shovels, etc.

Can be purchased complete with 2 vise grip wrenches as shown; or without, if you have vise grips or other suitable clamps.

No. 237

Price \$9.65

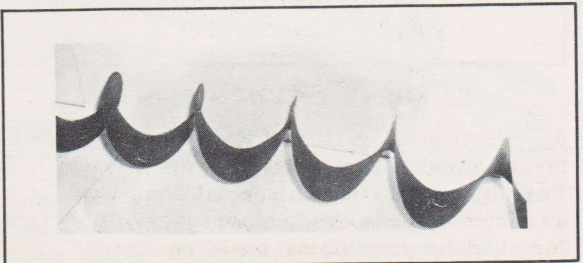
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Same as above without vise grips.

No. 237-A

Price \$5.95

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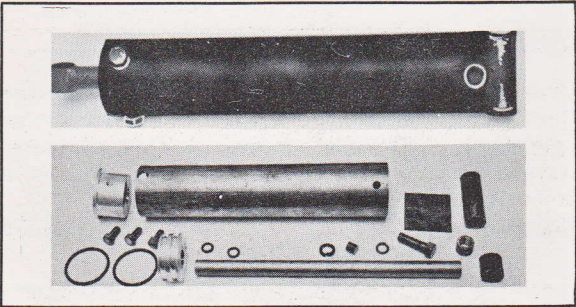


### FLIGHTING

Specifications: 9" right hand standard helicoid flighting weighing 3.1 pounds per foot. Mounts

on 2" pipe. Flighting tapers from 3/16" at pipe to 3/32" at outer edge. Available in three lengths.

No. 298	118" Full length	Price \$17.20
No. 297	59" Half length	Price \$ 8.60
No. 296	30" Quarter length	Price \$ 4.30
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**HYDRAULIC CYLINDER KIT**

Material to make 3" x 12" stroke single action cylinder. Parts are furnished with machine work already done. All you need to do is weld, assemble and paint. For use with post-hole digger or other applications.

No. 292	Price \$18.50
----- * ----- * -----	

Same as No. 292 except 24" stroke.

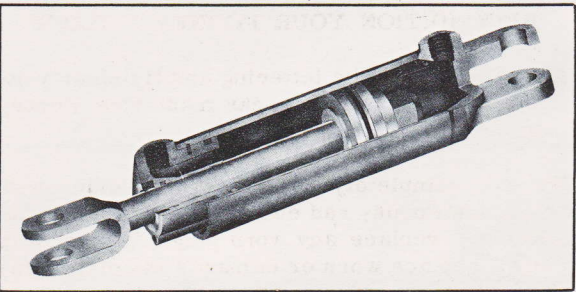
No. 293	Price \$22.50
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Same as No. 292 except 36" stroke.

No. 294	Price \$26.50
----- * ----- * -----	

Same as No. 292 except 48" stroke.

No. 295	Price \$31.00
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**DELUXE HYDRAULIC CYLINDER**

Precision all purpose double acting hydraulic cylinder ready for installation. 13" stroke 3 1/8" bore. Micro finish cylinder tube. Alloy steel piston rod, chrome plated. Push (at 1000 #PSI) 7,670 lbs. Pull (at 1000 #PSI) 6,676 lbs. This cylinder can be used for many applications and



will give years of trouble free service. Suitable for use with post-hole digger kit.

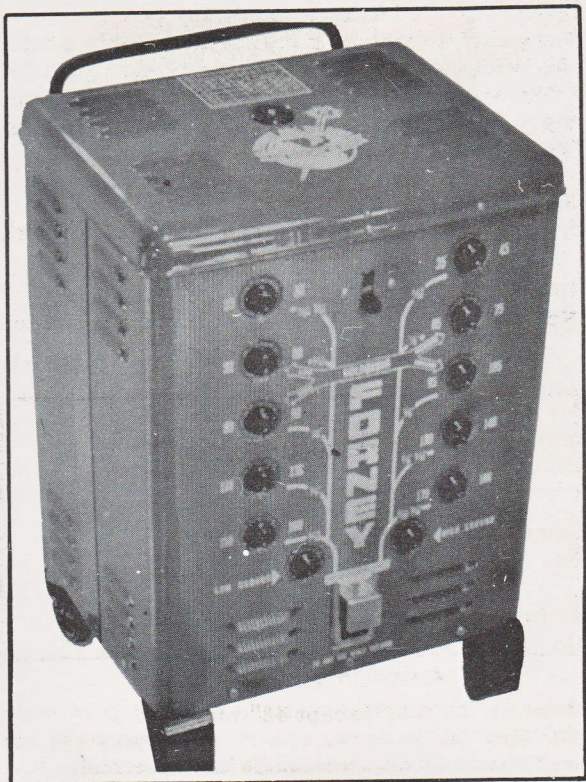
No. 292-A

Price \$38.50

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All Kits F.O.B. Fort Collins, Colorado, Des Moines, Iowa, or Greenville, Pennsylvania.

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### RECONDITION YOUR FORNEY WELDER

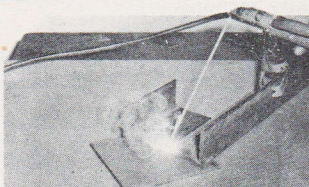
Has time faded the lettering and finish on your Welder? Have rough knocks made your Forney look old before it's time?

We will completely refinish your Welder with bright new Forney red enamel, put on new white lettering, replace any worn plugs, plug plastic rings, replace worn or damaged wheels, completely retest and inspect the welding core, clean out rust around welder frame-base and repaint, rebraze plug connections where needed.

**YOUR WELDER WILL LOOK JUST LIKE  
NEW FOR ONLY \$18.50 (Plus freight costs)**

Send your Forney Model C to Fort Collins, Des Moines, or Greenville, Pa. --Freight prepaid.





### CARBON PLATES

Very useful in welding close fitting parts where the weldment must be kept in line for good fit. Often avoid hours of filing, grinding, or machining. Refer to Page 72 of Forney Arc Welding Manual for proper uses.

Small Size 6" x 6"

No. 133

Price \$1.10 each

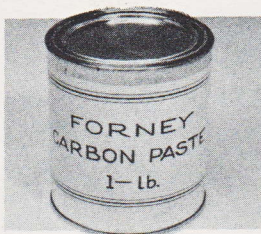
----- \* ----- \* -----

Large Size 12" x 12"

No. 134

Price \$3.95 each

----- \* ----- \* -----



### CARBON PASTE - 1 LB.

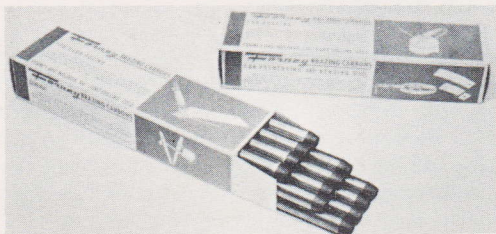
A very pliable paste for use in molding gear teeth or other protrusions, and as a protective shield on threads or any portion of the base metal that may be damaged by splatter. Refer to page 74 of Forney Arc Welding Manual for proper uses.

No. 131

1 lb. can

Price \$1.20

----- \* ----- \* -----



### BRAZING CARBONS

Strong copper coated carbons with special Forney Center-core for use with the arc torch. Packaged one dozen to a box. Available in two

sizes. Order by number.

No. 101	5/16" x 6"	Price \$1.50
No. 103	3/8" x 6"	Price \$1.75

----- \* ----- \*

### BRAZING ROD

A high quality, easy flowing, low fuming brass rod. (One pound packages.)

No. 483	3/32"	Price \$1.25
No. 484	1/8"	Price \$1.25
No. 486	3/16"	Price \$1.25
No. 488	1/4"	Price \$1.25

----- \* ----- \*



### FORNEY BRAZING FLUX

A high quality non-borax type flux especially developed for use with the Carbon Arc Torch. The special Forney Flux container itself is unique--weatherproof, yet easy to open and use. Just a twist of the lid to open prevents spilling--is designed tall so that all flux can be used up.

#### Brazing Flux

No. 152-A	1 lb. can	Price \$ .85
No. 152-B	1/2 lb. can	Price \$ .45

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#### Cast Iron Flux

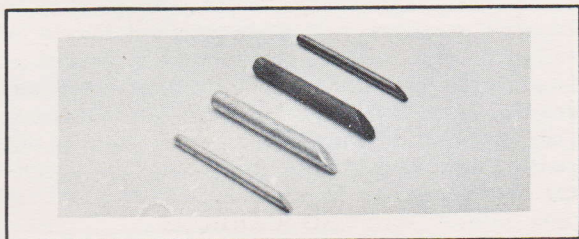
No. 154-A	1 lb. can	Price \$ .85
No. 154-B	1/2 lb. can	Price \$ .45

----- \* ----- \*

#### Burnt Cast Iron Flux

No. 156-A	1 lb. can	Price \$1.85
No. 156-B	1/2 lb. can	Price \$ .95

----- \* ----- \*



### SOLDERING TIPS

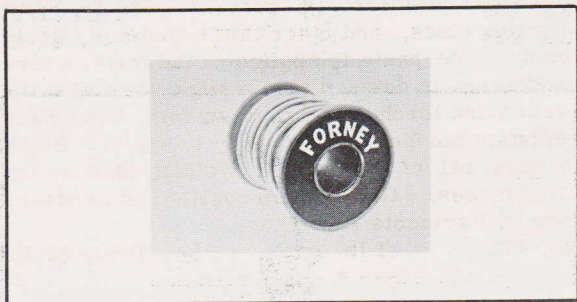
(Set of 4) This assortment of four tips includes

3/16" silver tip for delicate soldering, 3/16" copper coated tip for small jobs requiring more heat, such as radiator connections, etc., also for etching. 5/16" silver tip for general all-purpose soldering and 5/16" copper coated tip for heavy duty soldering at high heat for prolonged periods. You may also order four of any one type of tips by giving the size and type wanted.

No. 110

Price \$.50

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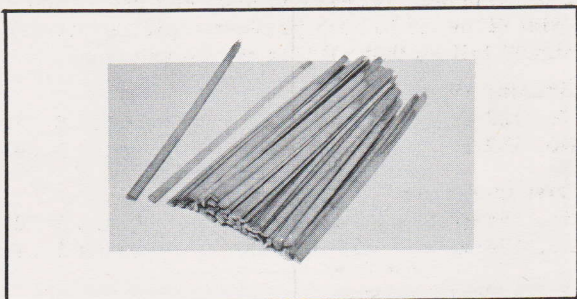
#### ACID CORE SOLDER

A firm bonding acid-core solder which flows readily. Available in one pound rolls. Type 30-70.

No. 141

Price \$1.50

----- \* ----- \* -----



#### FORNEY PLOW POINT BAR

A hard bar made of special alloy consisting of chromium, cobalt, molybdenum, tungsten, and other costly ingredients. Has extremely good wearing qualities. Used to re-point shares or reinforce plow share points. Can be welded along entire length of blade to reclaim discarded shares. Made of the same steel as hard surfacing rod, but molded to blade edge shape. Sold in one pound standard packages, sufficient for repointing approximately 15 shares, allowing 4" per plow point.

No. 474

Price \$2.60

----- \* ----- \* -----





### FORNEY HARDFACING PASTE

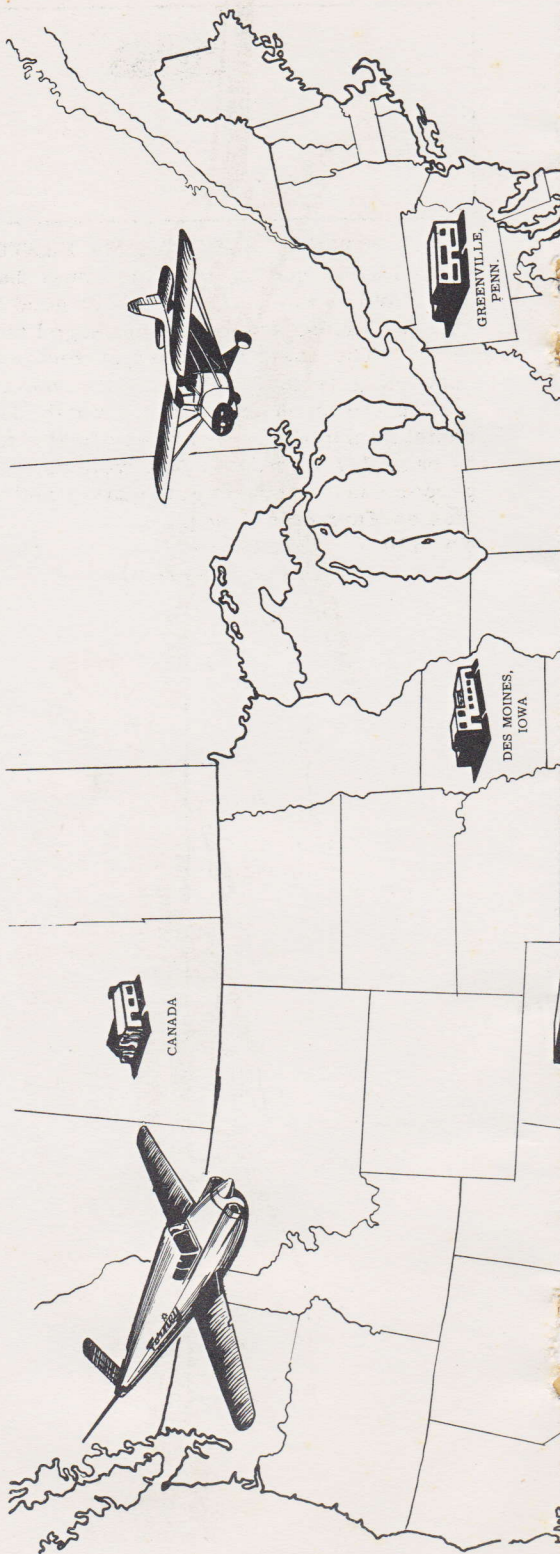
Much higher quality than the usual hardfacing paste and powders. Especially good for plow shares, discs, and other thin edged soil tillage tools. The paste is applied to the metal where hardfacing is desired then melted down with the carbon arc torch to form a smooth, hard wear resistant surface. Very easy to apply. Refer to page 141 of Forney Arc Welding Manual for proper uses. Gives same quality and hardsurface as Farmcote B or C.

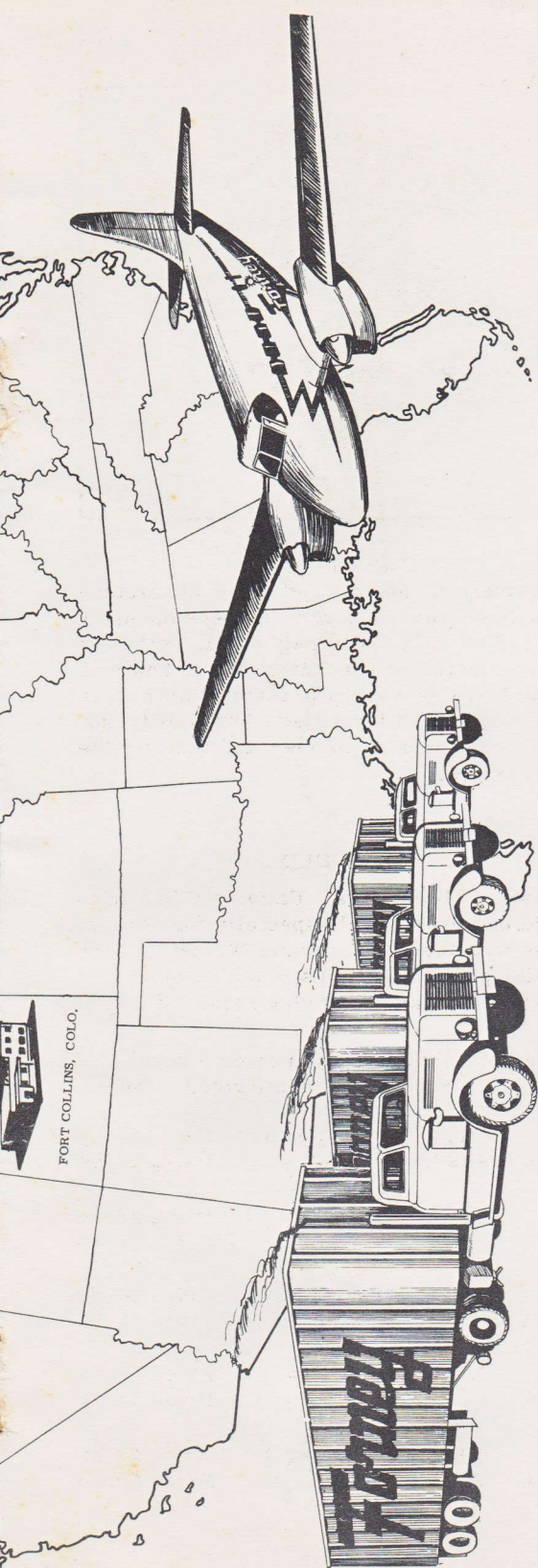
No. 470

1 lb. can.

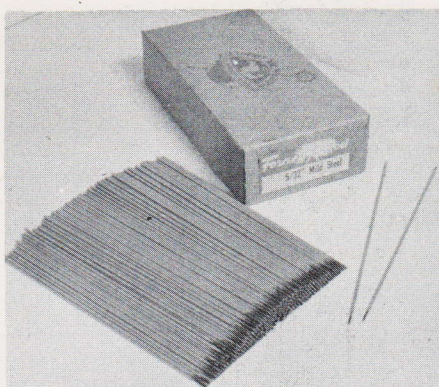
Price \$5.00

----- \* ----- \*









### WELDING ROD

Due to variety of metals and their characteristics, it has been necessary to develop many types of rod to work and repair them. Not all of these rods (electrodes) are listed here, however, those which are necessary to farm maintenance and repair have been identified. When ordering, please use the catalog number and indicate the the size desired.

### FARMWELD

All Position - All Purpose. Farmweld is a mild steel welding rod designed especially for general Farm use with the Forney Farm Welder. Very easy striking and maintains a stable quiet arc. Low splatter loss and easy slag removal.

Identification - Primary (end) color - none  
 - Secondary (spot) color - brown

No. 401	5/64"	(Std. Pkg.)	Price \$1.25
No. 401-A	5/64"	(25 lbs.)	Price \$8.75
No. 403	3/32"	(Std. Pkg.)	Price \$1.25
No. 403-A	3/32"	(25 lbs.)	Price \$7.50
No. 404	1/8"	(Std. Pkg.)	Price \$1.25
No. 404-A	1/8"	(25 lbs.)	Price \$5.75
No. 405	5/32"	(Std. Pkg.)	Price \$1.25
No. 405-A	5/32"	(25 lbs.)	Price \$5.75
No. 406	3/16"	(Std. Pkg.)	Price \$1.25
No. 406-A	3/16"	(25 lbs.)	Price \$5.75

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## NICKELCAST

Machinable Rod for Cast Iron. Nickelcast is a high nickel content Welding Rod designed specifically for repairing broken castings, building up cast worn surfaces and welding cast iron to steel. This rod gives a strong, non-porous weld that is machinable. Nickel has an attraction for steel which gives good bond at low arc heat. Can be used successfully where pre-heating casting is not possible. Excellent for repairing motor blocks, cylinder heads, gear teeth, pump parts, etc.

453	3/32"	(Stg. Pkg.)	\$ 2.45
453-A	3/32"	(5 lbs.)	\$12.00
453-B	3/32"	(10 lbs.)	\$23.50
454	1/8"	(Stg. Pkg.)	\$2.25
454-A	1/8"	(5 lbs.)	\$11.00
454-B	1/8"	(10 lbs.)	\$21.50
----- * ----- *			

## CUTWELD

For Cutting and Drilling. CUTWELD is a "Hot" running deep penetration welding rod suited for flat position and fillet welding where deep penetration is desired. Named CUTWELD, as it is generally used for cutting, scarfing and drilling, due to its high penetration and heat at high amperages. Black coating.

No. 414	1/8"	(Std. Pkg.)	Price \$1.25
No. 414-A	1/8"	(25 lbs.)	Price \$5.75
----- * ----- *			

## STAINLESS

For Welding Stainless Steel, Bumpers, etc. STAINLESS is a 25-20 type, all-position welding rod used in welding stainless steels, repairing car bumpers, bumper braces, pitchfork tines, spring teeth, harrow rakes and for other uses where carbon steels or unlike metals present a problem. Gives an extra tough high tensile strength weld.

No. 444	1/8"	(Std. Pkg.)	Price \$2.25
No. 444-A	1/8"	(5 lbs.)	Price \$8.75
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## FARMCOTE A

For Hardfacing with Arc. FARMCOTE "A" is a welding rod designed for hardfacing low and high carbon steel. Gives a medium hard surface for plow shares, cultivator teeth and other soil tilling machinery.

No. 424	1/8"	(Std. Pkg.)	Price \$ 1.25
No. 424-A	1/8"	(25 lbs.)	Price \$10.00
----- * ----- *			

## FARMCOTE B

Bare Hardsurface Rod. FARMCOTE "B" is a hardface rod developed specially for Farm use, to be applied with the Forney Arc Torch using ordinary brazing flux. A special alloy rod containing chromium, cobalt, molybdenum, tungsten and other costly ingredients. Gives an exceptionally high resistance to soil abrasion and is easy to apply. Use on all soil tillage tools for resistance to abrasion.

No. 476	3/16"	Price per ft. <sup>15.</sup> \$2.75
----- * ----- * -----		

## FARMCOTE C

Coated Hardsurface Rod - Arc. FARMCOTE C is the same high quality rod as Farmcote B except it is coated for use with the arc. Flows on smoothy and easily and gives a deposit with a high resistance to abrasion. Use on plow points, land slides, etc. where base metal is approximately 3/16" thick or more.

No. 477	1/8"	Price per lb. \$5.50
No. 478	5/32"	Price per lb. \$3.50
----- * ----- * -----		

## FARMOMANG

For Heavy Impact and Abrasion. FARMOMANG is a manganese welding rod for welding high manganese, high carbon steels and cast iron, where a high impact and abrasion is encountered. Used on road machinery, tractor treads, crusher jaws, hammer mill hammers and dredge and mining equipment.

No. 494	1/8"	Price per lb.	\$ .70
No. 494-A	1/8"	Price per 25 lb. box	\$17.00

No. 495	5/32"	Price per lb.	\$ .60
No. 495-A	5/32"	Price per 25 lb. box	\$14.50

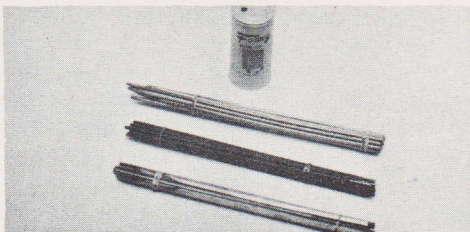
No. 496	3/16"	Price per lb.	\$ .55
No. 496-A	3/16"	Price per 25 lb. box	\$13.50
----- * ----- * -----			

## FARMCAST

Mild Steel for Cast Iron. FARMCAST is a mild steel rod specially designed for repair of cast iron; arcs and runs easily; not machinable.

No. 434	1/8" (Std. Pkg.)	Price	\$1.25
No. 434-A	1/8" (25 lbs.)	Price	\$8.75
----- * ----- * -----			





### COMPLETE PLOW SHARE REPAIR KIT

Reclaim 12 old plow shares - complete kit including:

Forney Plow Share Point Bar

Farmcote "B" Rod

Farmcote "C"

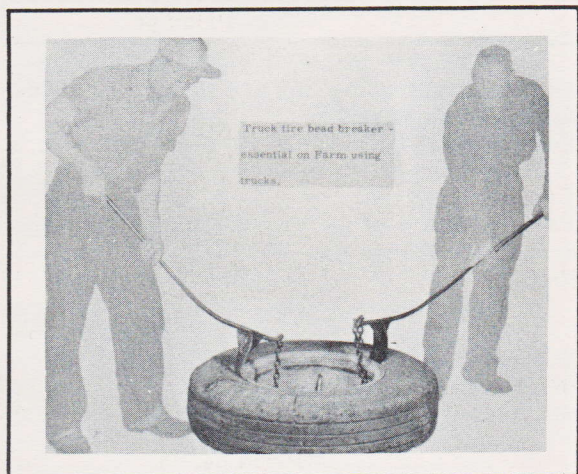
Flux

all you need to put those old shares into use at low cost.

No. 471 For 12 Shares Kit Price \$9.75

No. 471-A For 6 Shares Kit Price \$5.50

----- \* ----- \* -----



# **Forney**

## **BEAD BREAKER**

**(FOR REMOVING HEAVY  
TIRES FROM RIMS)**

The Forney Bead Breaker is a leverage tool which instantly breaks beads on the most stubborn tires. By placing the tire under some slight projection

and applying the Forney Bead Breaker as shown, you free the casing from the rim quickly, and with a minimum of effort. To do the job more rapidly, as in a shop or garage, two Bead Breakers can be used by two men opposite each other on the tire and exerting pressure simultaneously. The Forney Bead Breaker is a light portable tool, easy to position on the tire and rim.

No. 525

Price each      \$ 6.50

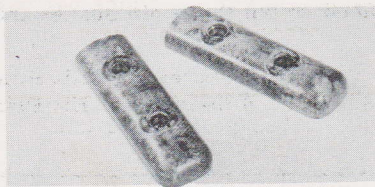
Price for two \$12.00

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## REPAIR PARTS

When necessary, parts are accompanied by instructions which facilitate repairing or replacing these parts on Welder or accessories.

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## ELECTRODE HOLDER JAW INSULATOR

For the repair of the No. 275 (500 amp.) holder described on Page 6.3

No. 275-A

Price \$1.00

— — — — — \* — — — — — \* — — — — —

For the repair of the No. 272 (300 amp.) holder described on Page 6.3

No. 272-A

Price \$ .75

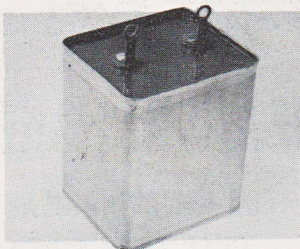
— — — — — \* — — — — — \* — — — — —

For repair of the Harworth 250 Amp. holder.  
(Not listed in this catalog.)

No. 244

Price \$ .75

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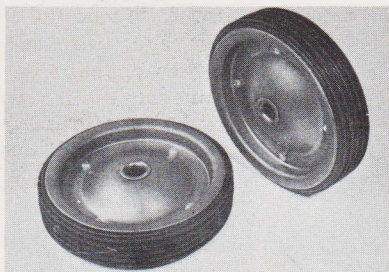
## CAPACITOR

For installation in the Forney Model C Welder.

No. 245

Price \$15.00

— — — — — \* — — — — — \* — — — — —



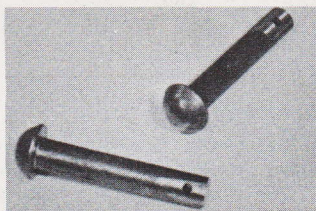
### WELDER WHEEL

Heavy gauge steel, rubber tired. Diameter 4", tread 1".

No. 248

Price per pair \$1.80

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### AXLE (WELDER WHEEL)

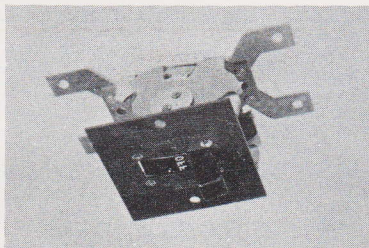
Hard steel, pin type. Diameter 3/8", length 2". Drilled one end for key.

No. 3167

Price \$ .10

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*ed.*



### SWITCH - 60 AMP

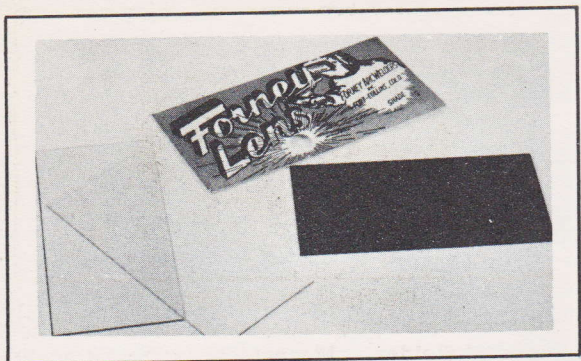
Welder switch.

No. 249

Price \$5.50

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### HELMET LENS - CLEAR PLASTIC

A long-life protective lens covering for helmets or hand shields. This plastic lens lasts as long as \$12.50 worth of glass cover lens. You can't weld it if you can't see it. The best in cover lens.

No. 263

Price \$ .50

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Clear glass protective lens covering for use with welding helmets or hand shields.

No. 261

Price \$ .15

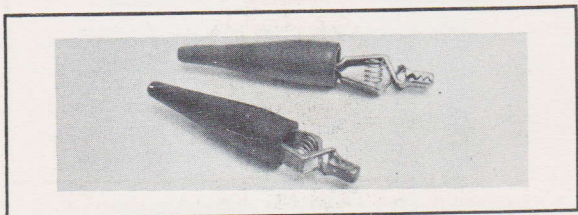
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### Helmet Lens (Colored)

Government approved screening lens for complete eye protection. Use in helmets and hand shields. The higher the number, the more dense is the lens.

No. 251	Shade 8	Price \$1.50
No. 252	Shade 9	Price \$1.50
No. 253	Shade 10	Price \$1.50
No. 254	Shade 11	Price \$1.50
No. 255	Shade 12	Price \$1.50
No. 256	Shade 13	Price \$1.50
No. 257	Shade 14	Price \$1.50

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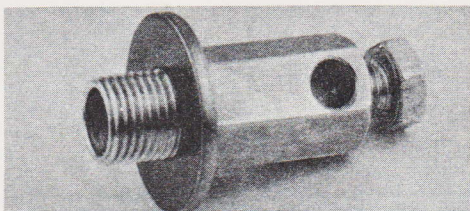
### ALLIGATOR CLIP SET

A hard gripping sharp-nosed clip, with flexible plastic insulators. Ideal for temporary hook-ups to fuse boxes. Use these handy clips for many electrical connections.

No. 349

Price per pair \$.75

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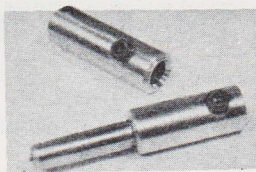


### REPAIR PLUG-INS

A fully machined plug-in to repair defective plugs on case of Welder. Mechanical type - no brazing required - snip off old plug. Insert wire in new plug and bolt tight.

No. 501	Models C-D-E-F	Price \$1.50 ea.
No. 502	Models A-B-I	Price \$2.50 ea.

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### SURE GRIP PLUGS

A solderless connection plug for Forney Welders. Use on cable extensions or repair of welding cable ends.

No. 528	Female plug (C-D-E-F)	Price \$.50
No. 529	Male plug (C-D-E-F)	Price \$.50
No. 530	Female plug (A-B-I)	Price \$.75
No. 531	Male plug (A-B-I)	Price \$.75

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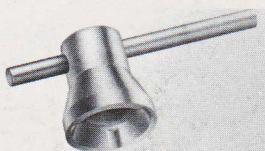


### PLASTIC RETAINING KNOB - BLACK

Retaining Knob (Black Plastic) and insulating washer. Holds female plug on Welder front.

No. 503	For Models C-D-E-F	Price \$.10
No. 504	For Models A-B-I	Price \$.15

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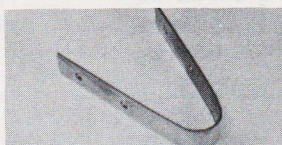
### WRENCH FOR RETAINING KNOBS

For installing, removing or tightening plastic plug-in knobs No. 503 on Welder front.

No. 506

Price \$1.75

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### SPRING - FORNEY GROUND CLAMP

Tempered phosphor bronze for replacement in the 4-350 Ground Clamp.

No. 4358

Price \$ .75

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### ROD SIZE INDICATOR - PLASTIC

Attaches to the top of C Welders. This gauge is for measuring the diameter of welding rods from 5/64" thru 3/16" diameter.

No. 505

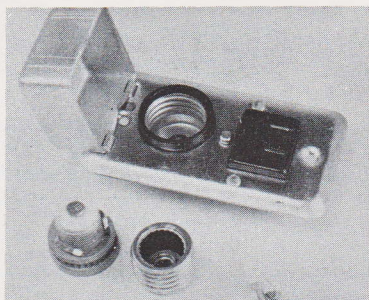
Price \$ .25

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Note: If your Forney Model "C" has the double plastic outlet just below the soldering stage on the front, it can be replaced by this fused outlet by getting the No. 3002 kit listed on page 37.

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### FUSE BOX KIT (110 OUTLET)

Change - over Kit includes Fuse Box, Template for opening size, 10 amp. Fusestat, and detailed instructions for installing the unit.

No. 3002

Price \$1.75

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### FUSESTAT (5 AMP)

For No. 3002 Fuse Box

No. 3002-A

Price \$ .20

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Fusestat (10 amp.) For No. 3002 Fuse Box

No. 3002-B

Price \$ .20

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### THUMB SCREWS - PAIR

For tightening carbons in the No. 4-050 Brazing Torch.

No. 4-066

Price each \$ .20

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### THUMB BUTTON

Durable Red plastic, threaded to fit the No. 4-050 Forney Brazing Torch thumb control lever.

No. 532

Price \$ .15

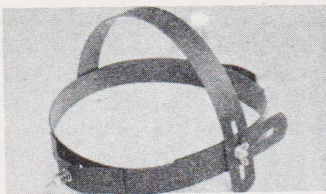
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### REDUCER - SOLDERING TIP

Holds small tips in the No. 4-004 Soldering Iron.  
 No. 4-021 Price \$ .15

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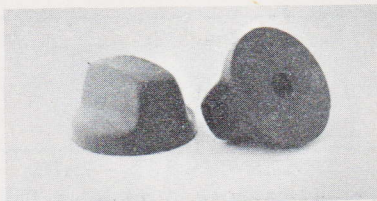
### HEAD BAND

Complete Head Band for No. 201 helmet. Constructed of heavy, fibre.  
 No. 4-110 Price \$1.00

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New all plastic Head Band soft and pliable, very comfortable.  
 No. 4-110-A Price \$1.75

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### PLASTIC HELMET KNOB

A plastic knob used on the head band in place of nuts and washers. Can be tightened sufficiently with fingers. Eliminates protruding bolts.  
 No. 4-111 Price \$.10

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*New!* *smartly styled modern*

## "FORNI - TURE"

Casual furniture in the new popular wrought iron, that is sweeping the country. These Forney designed "Forni-ture" items are unique and individual in styling, are of welded construction and finished in a special satin finish jet black paint.

Will fit in with any color scheme of curtains, drapes, wall covering or floor covering. Strongly built to be used in the multi-purpose room, yet designed for the most fastidious drawing room.

### MANY BEAUTIFUL PIECES TO CHOOSE FROM

- Two styles of Coffee Tables, glass and plastic tops.
- Two styles of 3-Tier Magazine Stand
- Combination Lamp, Magazine and Book Stand
- TV and Reading Snack Stand
- Book Case and Plant Stand
- Magazine Rack and Plant Stand
- Floor Lamps and Table Lamps

ALSO Available in Kit form and many others  
WRITE FOR COMPLETE INFORMATION  
AND PRICES

---

ALSO WRITE IN ABOUT OUR  
Complete line of  
**ANSCO CAMERAS, FILMS  
AND PROJECTORS**





## WELD-ASSEMBLE KITS

**BUILD IT YOURSELF AND  
SAVE MONEY!**

Farm machinery in kit form ready to be assembled and welded together. You buy it at about a third the cost of new equipment and put it together yourself in your spare time. Complete, easy-to-follow detailed plans come with the kit to instruct you in the assembling.

**THESE EASY TO BUILD KITS** consist of all parts already cut-machined-holes drilled - angles cut, etc. All you have to do is fit the parts together and weld. Complete plan shows all views and dimensions-- "exploded" views of complete outfits show how each part fits--complete step by step instruction tells you exactly how to proceed.

**AMONG THOSE NOW READY FOR SHIPMENT ARE:**

- **4-WHEEL FARM WAGON**
- **STEEL WAGON BOX**  
*with or without hydraulic lift*
- **WELDING TABLE**
- **POST HOLE AUGER**
- **HYDRAULIC CYLINDER**
- **AND MANY OTHERS**

**NO FACTORY "STITCH" WELDS** on your farm equipment now. You weld to suit yourself. And with a Forney welder you can be sure the weld will hold.

**WRITE IN FOR DETAILED INFORMATION  
REGARDING EACH OF THESE PIECES OF  
FARM EQUIPMENT TOGETHER  
WITH PRICES.**



### FORNEY UNIFORM SHIRT

These shirts are special Forney Uniform shirts of finest nickel grey poplin. A handsome, embroidered name patch of bright red on grey is machine stitched above the left pocket. Shirt sizes available: Size 14 sleeve length 32" to size 17 1/2" sleeve length 35".

No. 536

Price \$4.00

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Forney Uniform Patch is bright Red, embroidered to nickel grey field. Size of patch is 2" by 5"

No. 536-A.

Price \$ .40

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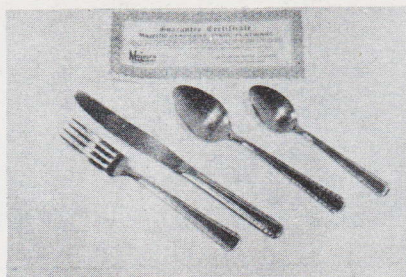


### MAJESCO STAINLESS ROSE BOUQUET PATTERN

Fashioned in a distinctive Rose and Rosebud motif. Combines the beauty, fine craftsmanship and graceful charm of the most traditional Sterling flatware. Beautiful-Economical-Practical. Special Deluxe, highly polished mirror finish all

over. This 32 piece set contains service for eight as follows: 8 each teaspoons, dessert spoons, forks and serrated edge steak knives.  
 No. 534 Price per set \$19.50

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**MAJESCO STAINLESS - LORINDA PATTERN**  
 A distinctly original deep leaf design with graceful raised shield. A pattern with that expensive appearance. Combines eye appeal, lasting quality, and moderate price. Will not rust, stain, peel, chip or tarnish, and is not affected by climate. Made of best available steel in smooth satin finish. Thirty-two piece set includes eight each teaspoons, dessert spoons, forks, and one piece dinner knives.

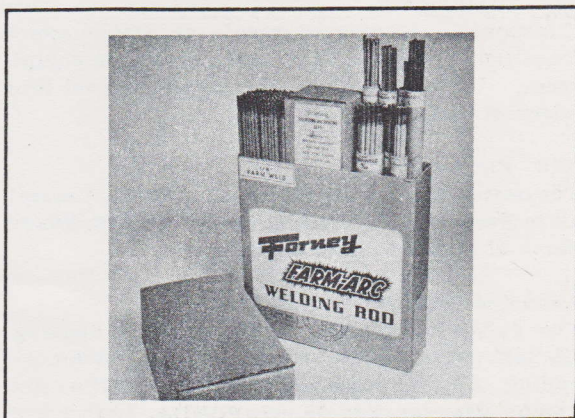
No. 535 Price per set \$11.95

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# FARM - ARC

## KIT - 0 - ROD



### LARGE FARM PAK

Here is the convenient way to keep the rods and other supplies you will need. Generous quantities of each item individually selected to do the right job, are included in the average proportions without "loading" you up on rod used once in awhile. In addition to the supplies is a large rod identification chart showing uses of the rods, amperages to be used with the different rod sizes, and other information.

Check this list of supplies included in the kit--see how complete the selection is--just right for normal farm use:

#### 1/8" Farmweld

The most popular size for mild steel welding of braces, brackets and general repair of mild steel parts.

#### 5/32" Farmweld

For the heavier mild steel parts.

#### 1/8" Farmcast

For use on cast iron where the bead does not have to be ground or machined.

#### 1/8" Nickelcast

Best for cast iron. Machinable. Use where cast iron will expand with heat, such as motor blocks.

#### 1/8" Farmcote A

Hardfacing machinery parts that receive heavy

wear from abrasion, but do not require an exceptionally hard metal, suitable for large gear teeth, tractor cleats. Large clevis and draw bars.

### **3/16" Farmcote B**

The best in Hardfacing metal--easiest to apply. Excellent for all tillage tools and farm equipment. Use with carbon arc torch--protect thin edges of tools.

### **5/32" Farmcote C**

The best in hardfacing electrodes. Similar metal as in Farmcote B. Easy to apply in thick, heavy parts of all farm machinery.

### **Assorted sizes of Brazing Rod**

For repairing all sheet metal parts by brazing. Highest quality alloy. Strong, ductile, non-corroding. Applies especially well with carbon arc torch. May be used on heavy parts, too.

### **3/8" Brazing Carbons**

Regular Forney, high quality carbons for use in carbon arc torch. Use for heating, brazing, preheating, etc. Long lasting, copper coated, soft center for tops in performance.

### **1/2 lb. Brazing Flux**

Standard, high quality flux for use with the Brazing Rod and carbon arc torch.

### **Soldering Tips**

Made especially for the Forney soldering iron.

### **1/2 lb. Acid Core Solder**

High grade acid core solder. Use on practically all farm repairs requiring soldering. Cleans fast, bonds well.

### **Large Wall Chart**

Helps identify welding rods and their uses.

Buy this economy pak and save as the price of this pak complete is much lower than if each item were bought separately. You also economize by not having to buy more than you need of any one kind.

Approximate Weight--25 lbs.

No. 540

Price \$15.00

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### SUPER FARM PAK (No. 539)

This SUPER PAK has larger quantities of each of the items in the large pak plus several additional items include:

#### 1/8" Cutweld

Excellent for cutting or boring holes in heavy metals.

#### 3/32" Farmweld

Mild steel welding of thin sheet metal.

#### Plow Point Bars

Specially designed hard metal for use in restoring points on plow shares. Saves building up by hand. Makes new shares out of old. Easy to put on.

You save by buying this low priced complete pak, as you would have to pay much more if you bought each item separately.

Approximate Weight--45 lbs.

No. 539

Price \$27.50

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### CARBON RODS

Various sizes of carbon rods available in 12 in. length, 1/2" diameter to 1". Use as protecting cores and fillers to save redrilling holes and to weld in oblong or worn holes. They can also be threaded to protect or build up around threaded holes. See page 95 of Forney Welding Manual.

No. 3542 Complete set of carbon rods Price \$1.75

No. 2-135 1/4 x 12" Price \$ .15

No. 2-136 5/16 x 12" Price \$ .15

No. 2-137 3/8 x 12" Price \$ .15

No. 2-138 1/2 x 12" Price \$ .25

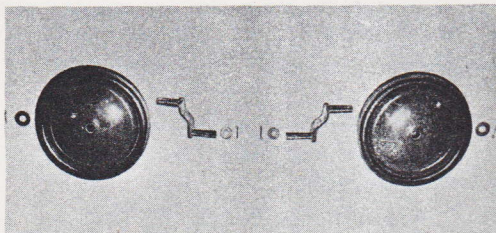
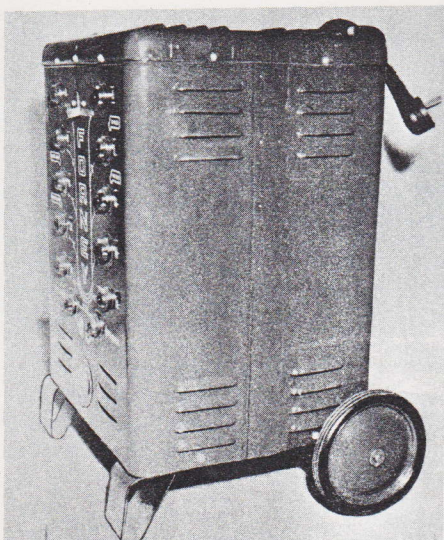
No. 2-139 5/8 x 12" Price \$ .25

No. 2-140 3/4 x 12" Price \$ .40

No. 2-142 1 x 12" Price \$ .40

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### LARGE WHEEL KIT FOR WELDER

Just the thing for customers who move their welder around the shop a lot, over rough ground.

A set of heavy duty 10 inch diameter rubber tired wheels complete with "floating" axles, all the washers, cotter pins, etc., that are needed

All you have to do to install is to remove present wheel axle, insert "floating" axle, and put on wheels. No drilling or other work required. Welder stays level as before due to special axle.

No. 508

Set of 2 wheels, axles, etc.

Price \$5.49

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## TO ORDER

It is easy to order from Forney's.

Make a list of items wanted on one of the order blanks enclosed. If you run out of order blanks use a plain sheet of paper. A new order blank will be sent to you in return with each order along with your original order form.

Give the full catalog number of each item ordered. (Example - 4-050) also quantity, name, price, etc. - (example - 1 ea. 4-050, Brazing Torch @\$20.00) (Example - 2 ea. #322, 15' welding extension, \$7.50 each - \$15.00 total). Be sure item ordered will fit the model Forney Welder you own. In many cases there is more than one type of item, each made for a different welder. Specify: to fit Model C Welder or Model B Welder, etc., and give serial number of machine.

Forney's pay transportation charges on almost all supply items unless there is a note to the contrary. Transportation charges are prepaid to your door or to your post office if you do not get mail delivery service. If you live in a community that does not have rail or truck service, be sure to state where delivery is to be accepted.

The safest and best ways to send money are: Postal Money Orders, Express Money Orders, Bank Money Orders, Cashier's Checks, or if you are a Forney owner, by personal check. The post office advises strongly against sending cash through the mail. If necessary, it should be sent registered mail--remittances in all cases are at the risk of the sender.

You are required to pay the amount of sales tax on your order that is required by the state in which you live. If your state allows tax exemption for items purchased for use on the farm, a notice giving authorization must be attached to your order.

If one of the items you ordered should be temporarily out of stock, it will be marked "Back Order" on your original order. The item will be immediately back ordered and notice of the future shipment date will be given to you on a back order form accompanying the remainder of your order.

For faster delivery mail your order to the shipping branch nearest you. Listed below are the addresses of our branches (as of this printing.) (See map on page 24-25 ).

FORNEY ARC WELDERS  
Box 563  
Fort Collins, Colorado

FORNEY ARC WELDERS  
Box 1331  
Des Moines, Iowa

FORNEY ARC WELDERS  
Box 577  
Greenville, Pennsylvania

### C. O. D. ORDERS

If possible avoid ordering on a C.O.D. basis. The extra cost to you in fees and the delay in Post Office handling makes it undesirable to use this means in ordering supplies. Our aim is to bring welding supplies to you at a minimum of cost which can not be done by handling a volume of C.O.D. orders.

For example, for you, on a \$5.10 order, there is an extra collection fee of 40¢ made by the Post Office plus a 15¢ money order fee - or 55 cents in extra charges on the order

### TO SECURE INFORMATION ABOUT YOUR WELDER

If you do not receive your order of welding supplies in a reasonable time, please write to your nearest shipping branch. (See page 29-25) Give full details such as approximate items you ordered and date you mailed order.

If when you receive your order there is any question about it, please write nearest office immediately and include in the letter your original order and attached papers as this is the only record we have of your order.

To return merchandise for repair or other reasons be sure to state what repair is needed etc. Since postal regulations prohibit the enclosure of letters in packages, pack the items in a good box and then paste your letter in a sealed, stamped envelope, to the outside of the package.

Transportation charges on all returns are to be prepaid by you unless you have secured our advance permission to return them on a collect basis.



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